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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,287	07/03/2003	Horst Corduan	LINDE-597 PI	5770
23599	7590 05/23/2006		EXAMINER	
•	VHITE, ZELANO & BF	DOERRLER, WILLIAM CHARLES		
	ENDON BLVD.		ADTIBUT	DADED AND (DED
SUITE 1400			ART UNIT	PAPER NUMBER
ARLINGTON, VA 22201			3744	
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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	~				
	10/612,287	CORDUAN ET AL.					
Office Action Summary	Examiner	Art Unit					
	William C. Doerrler	3744					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence addr	ess				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tin rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this comr D (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on 12 Ja	nuary 2006.						
· · · · · · · · · · · · · · · · · · ·	action is non-final.	•					
3) Since this application is in condition for allowar		secution as to the m	nerits is				
	psed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
·	A parto Quayro, 1000 o.b. 11, 10	30 0.0. 210.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-21</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdraw	vn from consideration.	•					
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1,3,5,6 and 9-21</u> is/are rejected.	6) Claim(s) <u>1,3,5,6 and 9-21</u> is/are rejected.						
7)⊠ Claim(s) <u>2,4,7 and 8</u> is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9) The specification is objected to by the Examiner	•						
10)⊠ The drawing(s) filed on <u>31 May 2005</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Ex	,	•	• •				
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign	nriority under 35 H S C & 110/a	\-(d) or (f)					
a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	ion No ed in this National St	age ·				
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate	52)				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 1-12-2006.	5) Notice of Informal F 6) Other:	ratent Application (PTO-1)	3 2)				
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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,3,5,6,9-11,15,16 and 19-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Goto.

Goto in figure 6 shows a heat exchanger with separate flow areas for three fluids which do not extend across the entire width of the heat exchanger (each of the three fluids which leave the top pass through one third of the width). All fluids in the heat exchanger flow parallel to each other, and are separated by a flow separator. Figure 8 shows inclined plates at the top and bottom of a flow path to control fluid flow.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation

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under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 12-14,17 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goto.

Goto discloses applicants' basic inventive concept, a heat exchanger with parallel flow for the fluids wit multiple fluids passing through flow areas which do not extend across the entire width of the heat exchanger, substantially as claimed with the exception of the pressure that the heat exchanger functions and the amount of fluids which pass through the heat exchanger. The pressure of the heat exchanger is seen as a matter of obvious design choice for an ordinary practitioner in the art depending on the situation which the heat exchanger is used for. The amount of fluids passing through the heat exchanger is also seen as a matter of obvious design choice for an ordinary practitioner in the art depending on the apparatus the heat exchanger is used in since Goto teaches a heat exchanger with parallel flow and flow areaas for each fluid which do not extend across the entire width of the heat exchanger.

Allowable Subject Matter

Claims 2,4,7 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Doerrler whose telephone number is (571) 272-4807. The examiner can normally be reached on Monday-Friday 6:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

William C Doerrler Primary Examiner Art Unit 3744

WCD